

2825

PATENT
Attorney Docket No.: SSI-02001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Maximilian A. Biberger et al.

Serial No.: 09/841,800

Filed: April 24, 2001

For: **METHOD OF DEPOSITING
METAL FILM AND METAL
DEPOSITION CLUSTER TOOL
INCLUDING SUPERCRITICAL
DRYING/CLEANING MODULE**

) Group Art Unit: 2825

) Examiner: Everhart, Caridad

) **TRANSMITTAL LETTER**

) 162 N. Wolfe Road
) Sunnyvale, CA 94086
) (408) 530-9700

) Customer No.: 28960

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

Sir:

Enclosed please find a Supplemental Information Disclosure Statement and Form PTO-1449, including copies of the references contained thereon, for filing in the U.S. Patent and Trademark Office.

You will also find enclosed the associated Transmittals, Electronic Information Disclosure Statements, and United States Patent and Trademark Office Acknowledgment Receipts for the electronically filed Information Disclosure Statement (EFS ID #50637); (EFS ID #50638); (EFS ID #50639); (EFS ID #50640); and (EFS ID #50641) filed on November 14, 2003.

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1275. **An originally executed duplicate of this transmittal is enclosed for this purpose.**

Respectfully submitted,
HAVERSTOCK & OWENS LLP

Dated: 11/14/03

By: Thomas B. Haverstock

Thomas B. Haverstock
Reg. No.: 32,571

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Attorneys for Applicants

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Electronic Version 1.1
Worksheet Version v1.1.1

Title of Invention

**METHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION CLUSTER TOOL INCLUDING
SUPERCRITICAL DRYING/CLEANING MODULE**

Submission Type: Information Disclosure Statement

Application Number: 09/841800

09/841800

EFS ID: 50638

Server Response:

Confirmation Code	Message
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ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant: Maximilian Biberger

Attorney Docket Number:

Timestamp: 2003-11-14 13:46:50 EDT

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11/14/2003

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Page 2 of 2

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Electronic Version v1.1 Stylesheet Version v1.1.0							
Title of Invention	METHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION CLUSTER TOOL INCLUDING SUPERCRITICAL DRYING/CLEANING MODULE						
Application Number:	09/841800 *09/841800*						
Date:	2001-04-24						
First Named Applicant:	Maximilian A. Biberger						
Confirmation Number:	6810						
Attorney Docket Number:							
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Submitted by:	Elec. Sign.	Sign. Capacity					
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney					

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v1.8

Stylesheet Version v1.8.0

Examiner Name

Date

Title of
InventionMETHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION
CLUSTER TOOL INCLUDING SUPERCRITICAL DRYING/CLEANING
MODULE

Application Number: 09/841800 *09/841800*

Confirmation Number: 6810

First Named Applicant: Maximilian Bilberger

Attorney Docket Number:

Search string: (5370741 or 5714299 or 5725987 or 5736425 or 5766367).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5370741	1994-12-06	Bergman			
	2	5714299	1998-02-03	Combes et al.			
	3	5725987	1998-03-10	Combes et al.			
	4	5736425	1998-04-07	Smith et al.			
	5	5766367	1998-06-16	Smith et al.			

Remarks

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paid in previous electronic filing.

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Stylesheet Version v1.1.1

Title of Invention

METHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION CLUSTER TOOL INCLUDING
SUPERCRITICAL DRYING/CLEANING MODULE

Submission Type: Information Disclosure Statement

Application Number: 09/841800

09/841800

EFS ID: 50639

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First Named Applicant: Maximilian Biberger

Attorney Docket Number:

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Application Number:	09/841800 *09/841800*						
Date:	2001-04-24						
First Named Applicant:	Maximilian A. Biberger						
Confirmation Number:	6810						
Attorney Docket Number:							
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Submitted by:	Elec. Sign.	Sign. Capacity					
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney					

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Stylesheet Version v18.0

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Confirmation Number:	6810						
First Named Applicant:	Maximilian Biberger						
Attorney Docket Number:							
Search string:	(5807607 or 5847443 or 5872061 or 5893756 or 5896870 or 5904737 or 5992680 or 5994696 or 6001133 or 6005226 or 6037277 or 6063714 or 6099619 or 6100198 or 6128830 or 6140252 or 6171645 or 6200943 or 6216364 or 6224774 or 6228826 or 6232238 or 6232417 or 6239038).pn.						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5807607	1998-09-15	Smith et al.			
	2	5847443	1998-12-08	Cho et al.			
	3	5872061	1999-02-16	Lee et al.			
	4	5893756	1999-04-13	Berman et al.			
	5	5896870	1999-04-27	Huynh et al.			
	6	5904737	1999-05-18	Preston et al.			
	7	5992680	1999-11-30	Smith			
	8	5994696	1999-11-30	Tai et al.			
	9	6001133	1999-12-14	DeYoung et al.			
	10	6005226	1999-12-21	Aschner et al.			

11	6037277	2000-03-14	Masakara et al.	
12	6063714	2000-05-16	Smith et al.	
13	6099619	2000-08-08	Lansbarkis et al.	
14	6100198	2000-08-08	Grieger et al.	
15	6128830	2000-10-10	Bettcher et al.	
16	6140252	2000-10-31	Cho et al.	
17	6171645	2001-01-09	Smith et al.	B1
18	6200943	2001-03-13	Romack et al.	B1
19	6216364	2001-04-17	Tanaka et al.	B1
20	6224774	2001-05-01	DeSimone et al.	B1
21	6228826	2001-05-08	DeYoung et al.	B1
22	6232238	2001-05-15	Chang et al.	B1
23	6232417	2001-05-15	Rhodes et al.	B1
24	6239038	2001-05-29	Wen	B1

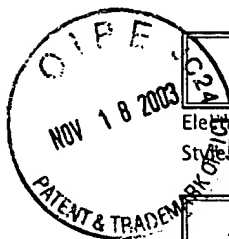
Remarks

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Examiner Name	Date



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Electronic Version 1.1
Stylesheet Version v1.1.1

Title of Invention

**METHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION CLUSTER TOOL INCLUDING
SUPERCRITICAL DRYING/CLEANING MODULE**

Submission Type: Information Disclosure Statement

Application Number: 09/841800

09/841800

EFS ID: 50637

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
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ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later.

First Name: Applicant: Maximilian Biberger

Attorney Docket Number:

Timestamp: 2003-11-14 13:44:18 EDT

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Page 2 of 2

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Total files size		108533

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Electronic Version v1.1 Stylesheet Version v1.1.0							
Title of Invention	METHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION CLUSTER TOOL INCLUDING SUPERCRITICAL DRYING/CLEANING MODULE						
Application Number:	09/841800 *09/841800*						
Date:	2001-04-24						
First Named Applicant:	Maximilian A. Biberger						
Confirmation Number:	6810						
Attorney Docket Number:							
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Submitted by:	Elec. Sign.	Sign. Capacity					
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney					

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v1.8

Stylesheet Version v1.8.0

Title of
InventionMETHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION
CLUSTER TOOL INCLUDING SUPERCRITICAL DRYING/CLEANING
MODULE

Application Number: 09/841 800 *09/841 800*

Confirmation Number: 6810

First Named Applicant: Maximilian Biberger

Attorney Docket Number:

Search string: (2439689 or 4349415 or 4925790 or 5071485 or 5196134 or
5269850 or 5285352 or 5320742).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	2439689	1948-04-13	Hyde et al.			
	2	4349415	1982-09-14	DeFilippi et al.			
	3	4925790	1990-05-15	Blanch et al.			
	4	5071485	1991-12-10	Matthews et al.			
	5	5196134	1993-03-23	Jackson			
	6	5269850	1993-12-14	Jackson			
	7	5285352	1994-02-08	Pastore et al.			
	8	5320742	1994-06-14	Fletcher et al.			

Remarks

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Non US Patent and Publication references shall be filed under a separate paper transmittal.

The current electronic filing contains part 1 out of a total of 5 electronic filings.

Signature

Examiner Name

Date

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ACKNOWLEDGEMENT RECEIPTElectronic Version 1.1
Worksheet Version v1.1.1

Title of Invention

METHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION CLUSTER TOOL INCLUDING
SUPERCRITICAL DRYING/CLEANING MODULE

Submission Type: Information Disclosure Statement

Application Number: 09/841800

09/841800

EFS ID: 50640

Server Response:

Confirmation Code	Message
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First Named Applicant: Maximilian Biberger

Attorney Docket Number:

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Page 2 of 2

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Electronic Version v1.1 Stylesheet Version v1.1.0							
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Application Number:	09/841 800 *09/841 800*						
Date:	2001-04-24						
First Named Applicant:	Maximilian A. Biberger						
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Attorney Docket Number:							
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Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney					

Documents being submitted	Files
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Comments	

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	METHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION CLUSTER TOOL INCLUDING SUPERCRITICAL DRYING/CLEANING MODULE						
Application Number:	09/841800 *09/841800*						
Confirmation Number:	6810						
First Named Applicant:	Maximilian Biberger						
Attorney Docket Number:							
Search string:	(6251250 or 6255732 or 6270531 or 6270948 or 6277753 or 6284558 or 6286231 or 6306564 or 6331487 or 6344243 or 6358673 or 6361696 or 6367491 or 6380105 or 6425956 or 6436824 or 6454945 or 6458494 or 6461967 or 6485895 or 6486078 or 6486282 or 6492090 or 6500605 or 6558475 or 6562146 or 20010019857 or 20010024247 or 20010041455 or 20010041458 or 20020001929 or 20020055323 or 20020074289 or 20020081533 or 20020088477 or 20020098680 or 20020106867 or 20020112740 or 20020112746 or 20020115022 or 20020117391 or 20020123229 or 20020127844 or 20020132192 or 20020141925 or 20020142595 or 20020150522 or 20030003762).pn.						
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Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
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	2	6255732	2001-07-03	Yokoyama et al.	B1		
	3	6270531	2001-08-07	DeYoung et al.	B1		
	4	6270948	2001-08-07	Sato et al.	B1		
	5	6277753	2001-08-21	Mullee et al.	B1		

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11	6358673	2002-03-19	Namatsu	B1
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13	6367491	2002-04-09	Marshall et al.	B1
14	6380105	2002-04-30	Smith et al.	B1
15	6425956	2002-07-30	Cotte et al.	B1
16	6436824	2002-08-20	Chooi et al.	B1
17	6454945	2002-09-24	Welgl et al.	B1
18	6458494	2002-10-01	Song et al.	B1
19	6461967	2002-10-08	Wu et al.	B1
20	6485895	2002-11-26	Choi et al.	B1
21	6486078	2002-11-26	Rangarajan et al.	B1
22	6486282	2002-11-26	Dammel et al.	B1
23	6492090	2002-12-10	Nishi et al.	B1
24	6500605	2002-12-31	Mullee et al.	B1
25	6558475	2003-05-06	Jur et al.	B1
26	6562146	2003-05-13	DeYoung et al.	B1

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

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	3	20010041455	2001-11-15	Yun et al.	A1		
	4	20010041458	2001-11-15	Ikakura et al.	A1		
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22	20030003762	2003-01-02	Cotte et al.	A1

Remarks

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UNITED STATES PATENT AND TRADEMARK OFFICE
ACKNOWLEDGEMENT RECEIPTElectronic Version 1.1
Stylesheet Version v1.1.1

Title of Invention

METHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION CLUSTER TOOL INCLUDING
SUPERCRITICAL DRYING/CLEANING MODULE

Submission Type: Information Disclosure Statement

Application Number: 09/841800

09/841800

EFS ID: 50641

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	6810
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant: Maximilian Biberger

Attorney Docket Number:

Timestamp: 2003-11-14 13:52:43 EDT

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Acknowledgement Receipt

Page 2 of 2

File Listing:

Doc. Name	File Name	Size (Bytes)
us-ids	SSI02001E-usidst.xml	2070
us-ids	us-ids.dtd	7763
us-ids	us-ids.xsl	12026
package-data	SSI02001E-pkda.xml	1797
package-data	package-data.dtd	27025
package-data	us-package-data.xsl	19263
Total files size		69944

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Electronic Version v1.1 Stylesheet Version v1.1.0	
Title of Invention	METHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION CLUSTER TOOL INCLUDING SUPERCRITICAL DRYING/CLEANING MODULE
Application Number:	09/841800 *09/841800*
Date:	2001-04-24
First Named Applicant:	Maximilian A. Biberger
Confirmation Number:	6810
Attorney Docket Number:	
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Submitted by:	Elec. Sign. Sign. Capacity
Thomas B. Haverstock Registered Number: 32571	/tbh/ Attorney

Documents being submitted	Files
us-ids	SSI02001E-usidst.xml
	us-ids.dtd
	us-ids.xsl
Comments	

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of
InventionMETHOD OF DEPOSITING METAL FILM AND METAL DEPOSITION
CLUSTER TOOL INCLUDING SUPERCRITICAL DRYING/CLEANING
MODULE

Application Number: 09/841800

09/841800

Confirmation Number: 6810

First Named Applicant: Maximilian Biberger

Attorney Docket Number:

Search string: (20030008238 or 20030008518 or 20030013311 or
20030036023 or 20030047533).pn.

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

Init	Cite. No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20030008238	2003-01-09	Goldfarb et al.	A1		
	2	20030008518	2003-01-09	Chang et al.	A1		
	3	20030013311	2003-01-16	Chang et al.	A1		
	4	20030036023	2003-02-20	Moreau et al.	A1		
	5	20030047533	2003-03-13	Reid et al.	A1		

Remarks

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